

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/049294 A1

(51) International Patent Classification⁷:
7/46, B30B 9/06, D21J 3/04

B28B 3/24,

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW.

(21) International Application Number:
PCT/DK2004/000790

(22) International Filing Date:
17 November 2004 (17.11.2004)

(25) Filing Language:
English

(26) Publication Language:
English

(30) Priority Data:
2003906379 19 November 2003 (19.11.2003) AU

(71) Applicant (for all designated States except US): 3H INVENTORS APS [DK/DK]; Langebjerg 80, DK-2850 Naerum (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): STANG, Henrik [DK/DK]; Langebjerg 80, DK-2850 Naerum (DK). FREDSLUND-HANSEN, Helge [DK/DK]; Fortvej 20 D, DK-2610 Rodovre (DK). GREGERSEN, Johan, Christian [DK/DK]; Kurvej 1, DK-2880 Bagsværd (DK).

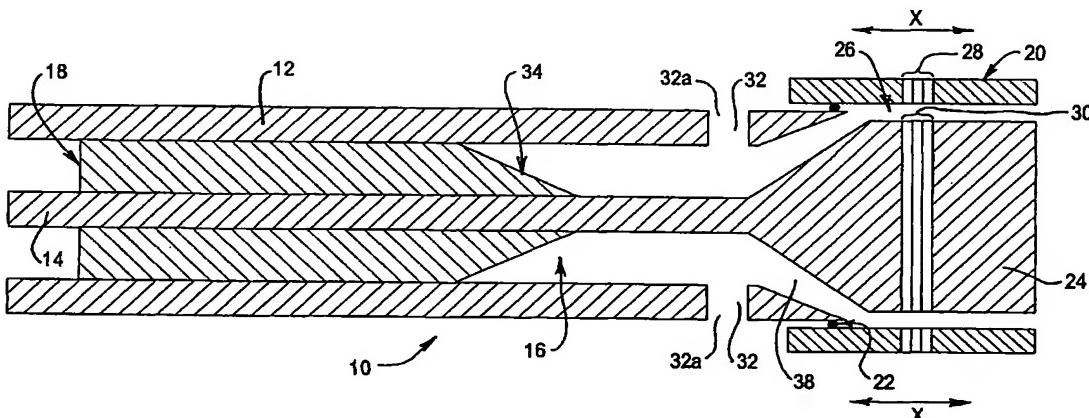
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A PROCESS AND APPARATUS FOR GREEN BODY EXTRUSION



WO 2005/049294 A1

(57) Abstract: In a process and apparatus for the extrusion of a green body from a paste or suspension of particulate material in a liquid, the suspension is supplied to and substantially fills an extrusion chamber at a relatively low pressure. A high pressure is applied to the suspension on completion of filling whereby the suspension is forced through a moulding spaced with a dewatering section defined by at least partially liquid-permeable walls. A substantial part of the liquid is removed by establishing a pressure differential across at least parts of the wall that are permeable to said liquid, to form a non-flowable shaped body of the particulate material.